

MATERIAL NUMBER 1.2711 · CLASS 1.2

55MoCrNi16

Material no. 1.2711

also listed as 54NiCrMoV6

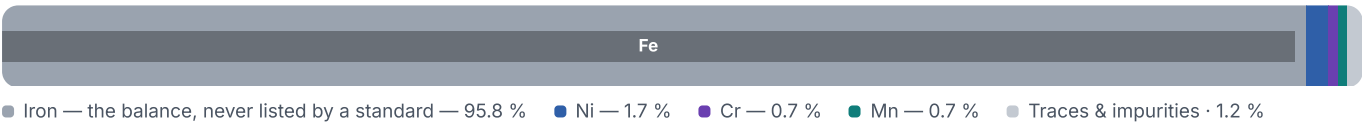
Chemical composition, mechanical and physical property values, and 24 standard designations from 17 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 24 in 17 regions	PROPERTY VALUES 10 on file
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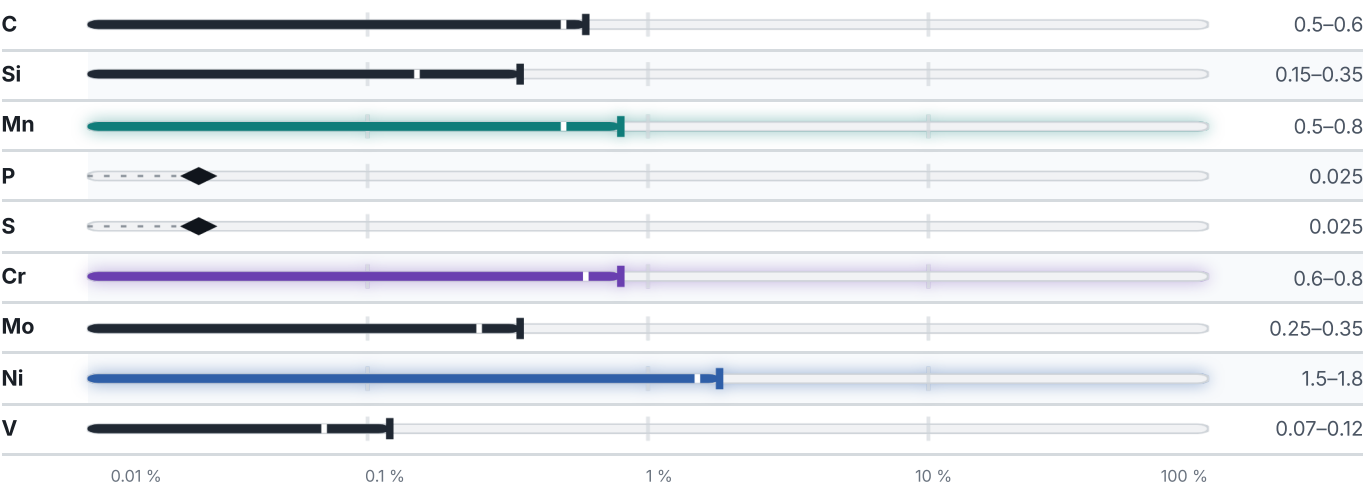
Chemical composition

Mass fraction in %

What this alloy is



Logarithmic scale, 0.01 % to 100 % — every value here compares directly, decade by decade.



The scale is logarithmic, not the element's raw share of the alloy — the only honest way to fit 0.01 % and 100 % in one picture, and it means every value here can be compared with every other.

Predicted transformation temperatures

computed from composition · °C

PREDICTED AE3 718 °C	PREDICTED AE1 712 °C	PREDICTED ACM 699 °C	PREDICTED BS 506 °C
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Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

24 designations · 1 documented as identical

United States2		Europe1	
L 6	aisi-sae	54NiCrMoV6	This grade's own name din-en
T61206	aisi-sae	United Kingdom1	
France2		BH224/5	bs
55NCDV7	afnor	Spain1	
55NiCrMoV7	afnor	F.520S	une
Japan2		China1	
SKT3	jis	5CrNiMo	gb
SKT4	jis	Sweden1	
Russia / CIS2		2550	ss
5KHNM	gost	Czechia1	
5XHM	gost	19 662	csn
Italy2		Hungary1	
44NiCrMoV7KU	uni	NK	msz
55NiCrMoV7KU	uni	Bulgaria1	
Poland2		5ChNM	bds
WNL	pn	Austria1	
WNL1	pn	W502	onorm
Romania2		South Korea1	
55MoCrNi16	stas	STF4	ks
55VMoCrNi16	stas		

Note on use. The data is compiled to the best of our knowledge from publicly available standards and manufacturer documentation. It replaces neither material testing nor an inspection document to EN 10204. Please request a mill certificate to EN 10204 2.1, 3.1 or 3.2 together with your enquiry. The standard in its current valid edition always prevails.

Enquiry about 55MoCrNi16

Quotation, availability, mill certificate or a technical question — directly on the material page.

Start an enquiry

DATASHEET ONLINE	GRADE SEARCH	MATERIAL NO.	ISSUED
View the material page	Search all grades	1.2711	Aug 20, 2026